What is Claimed is:

1. A heat resistant high-chromium containing ferrite steel based on ferritic phase and containing 13 % by weight or more of chromium, and containing precipitates of intermetallic compounds.

2. The heat resistant high-chromium containing ferrite steel as claimed in Claim 1, wherein the intermetallic compound is at least one type of precipitates selected from the group consisting of a Laves phase, a μ phase, a σ phase, or a compound represented by Ni_3X, where X is Al or Ti.

3. The heat resistant high-chromium containing ferrite steel as claimed in claim 1 or 2, wherein the ferritic phase is contained 70 % by volume or more.

4. The heat resistant high-chromium containing ferrite steel as claimed in anyone of claims 1 to 3, wherein Mo is contained 0.5 % by weight or more and W is contained 1.0 % by weight or more.

5. The heat resistant high-chromium containing ferite steel as claimed in anyone of claims 1 to 4, wherein Co is contained 1.0 % by weight or more.

6. The heat resistant high-chromium containing ferrite steel as claimed in anyone of claims 1 to 5, wherein the ferrite steel has a following chemical composition (weight %).

Cr 13 ~ 30

Mo	0.5 ~ 8.0
W	1.0 ~ 8.0
Co	1.0 ~ 10.0
C	0.50 or less
N	0.20 or less
B	0.01 or less
Nb	0.01 ~ 2.0
Fe	residue

and may contain unevitable impurities.

7. A method for producing a heat resistant high-chromium containing ferrite steel as claimed in anyone of claims 1 to 6, comprising steps of a hot working bulky steel derived from a melt raw materials and a annealing hot worked steel.

8. The method for producing a heat resistant high-chromium containing ferrite steel as claimed in claim 7, wherein the step of annealing is comprised with processes of a heating at the temperature of 1000° or more and a cooling in a furnace.